

BEST AVAILABLE COPY

#1 Search "Amino acids"[Jour] AND 245[page] AND 2003[pdat]	19:46:41	
#16 Related Articles for PubMed (Select 16248081)	15:48:16	<u>4</u>
#14 Search #12 and silyl synthesis carbohydrate	15:47:46	
#13 Search #12 and silyl synthesis carbohydrate mannitol and	15:47:36	
#12 Search "protecting groups"	15:47:21	<u>10</u>
#11 Search silyl synthesis carbohydrate mannitol and "protecting groups"	15:47:07	
#10 Search silyl synthesis carbohydrate mannitol and "protecting groups" Field: MeSH Major Topic	15:47:02	
#9 Search silyl synthesis carbohydrate Field: MeSH Major Topic	15:46:39	<u>5039</u>
#8 Search #7 and mannitol	15:45:00	<u>2</u>
#7 Search #6 and protective groups	15:42:32	<u>9</u>
#6 Search carbohydrates Field: MeSH Major Topic	15:41:39	<u>5039</u>
#5 Search protective groups Field: MeSH Major Topic	15:40:15	
#4 Search protective organic synthesis Field: Title/Abstract	15:39:42	<u>4</u>
#3 Search protective groups in organic chemistry	15:37:36	<u>1</u>
#2 Search "The Journal of organic chemistry"[Jour] AND 6441[page] AND 2000[pdat]		

Set	Items	Description
S1	14	AU=((MESEGUER B?) OR (MESEG? B?))
S2	4	S1 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH?)
S3	4	RD (unique items)
S4	30	AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST?)
S5	9	S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
S6	9	S5 NOT S1
S7	9	S5 NOT S3
S8	156	AU=((CASTILLON S?) OR (CAST? S?))
S9	50	S8 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
S10	4	S9 AND TRANSITION()METAL
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S12	1	S9 AND MANNITOL
S13	1	S8 AND MANNITOL
S14	30	S8 AND RHOD?
S15	30	S14 NOT S7
S16	30	S15 NOT S3.
S17	0	S16 AND MONOP?
S18	13	S16 AND CHIRAL
S19	138	S8 AND PY<=2003
S20	50	S9 AND S11
S21	4	S20 AND 9
S22	50	S20 AND S9
S23	4	S10 NOT S13
S24	211	AU=(CLAVER C?)
S25	23	S24 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)
S26	13	S25 AND PY<=2003
S27	13	RD (unique items)
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S29	133	AU=(DIAZ Y?)
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S31	2	S30 NOT S28
S32	2	RD (unique items)
S33	3	AU=(AGHMIZ M?)
S34	3	S33 NOT S28
S35	3	RD (unique items)
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S38	1	S37 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)
S39	1	S38 NOT S28
S40	13	AU=(AGHMIZ A?)
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S42	1	S41 AND (TRANSIT? OR MANNIT? OR PHOSPHOR?)
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S49	2	RD (unique items)

Dialog level 05.12.03D

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>>>      23sep06 13:42:17 User291213 Session D85.3
>>>      $0.64      0.107 DialUnits File5
>>>      $0.64      Estimated cost File5
>>>      $11.85     0.505 DialUnits File34
>>>      $11.85     Estimated cost File34
>>>      $1.11      0.126 DialUnits File71
>>>      $1.11      Estimated cost File71
>>>      OneSearch, 3 files, 0.738 DialUnits FileOS
>>>      $0.53      TELNET
>>>      $14.13     Estimated cost this search
>>>      $40.89     Estimated total session cost    1.483 DialUnits
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SYSTEM:OS - DIALOG OneSearch
File 5:Biosis Previews(R) 1969-2006/Sep W3
(c) 2006 The Thomson Corporation
File 34:SciSearch(R) Cited Ref Sci 1990-2006/Sep W3
(c) 2006 The Thomson Corp
File 71:ELSEVIER BIOBASE 1994-2006/Sep W3
(c) 2006 Elsevier B.V.
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Cost is in DialUnits
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      $0.33      0.037 DialUnits File71
      $0.33      Estimated cost File71
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      $0.08      TELNET
      $1.51      Estimated cost this search
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SYSTEM:OS - DIALOG OneSearch
File 5:Biosis Previews(R) 1969-2006/Sep W3
(c) 2006 The Thomson Corporation
File 34:SciSearch(R) Cited Ref Sci 1990-2006/Sep W3
(c) 2006 The Thomson Corp
File 71:ELSEVIER BIOBASE 1994-2006/Sep W3
(c) 2006 Elsevier B.V.
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Set Items Description
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      14 AU=MESEGUER B?
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      S1 14 AU=((MESEGUER B?) OR (MESEG? B?))
? s s1 and (transit? or catal? or mannit? or phosph?)
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>>>File 34 processing for PHOSPH? stopped at PHOSPHAZENIC
>>>File 71 processing for PHOSPH? stopped at PHOSPHORECEPTOR

14 S1
820676 TRANSIT?
791953 CATAL?
28570 MANNIT?
941137 PHOSPH?
S2 4 S1 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH?)
? rd
S3 4 RD (unique items)
? t s3/3,k/all

3/3,K/1 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

14857811 Genuine Article#: 012OR No. References: 54
Title: **New C-2- and C-1-symmetric phosphorus ligands based on carbohydrate scaffolds and their use in the iridium- catalysed hydrogenation of ketimines**
Author(s): Guiu E; Aghmiz M; Diaz Y; Claver C; **Meseguer B** ; Militzer C; Castillon S (REPRINT)
Corporate Source: Univ Rovira & Virgili,Dept Quim Analit & Quim Organ,Pl Imperial Tarraco 1/Tarragona 43005//Spain/ (REPRINT); Univ Rovira & Virgili,Dept Quim Analit & Quim Organ,Tarragona 43005//Spain/; Univ Rovira & Virgili,Dept Quim Fis & Inorgan,Tarragona 43005//Spain/; Bayer AG,Cent Res,D-51368 Leverkusen//Germany/(castillon@quimica.urv.es)
Journal: EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, 2006, N3 (JAN 30), P627-633
ISSN: 1434-193X Publication date: 20060130
Publisher: WILEY-V C H VERLAG GMBH, PO BOX 10 11 61, D-69451 WEINHEIM, GERMANY
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Title: **C-1-symmetric phosphorus ligands based on carbohydrate scaffolds and their use in the iridium- catalysed hydrogenation of ketimines**
Author(s): Guiu E; Aghmiz M; Diaz Y; Claver C; **Meseguer B** ; Militzer C; Castillon S (REPRINT)
...Abstract: the reaction. Results were best when Ph₂PNet₂ was used in the presence of tetrazol as **catalyst** . These ligands were added to iridium complexes to give **catalyst** precursors that are active in the hydrogenation of imines 17 and 19. Cationic iridium complexes gave rise to **catalytic** systems that were more active than the neutral iridium complexes. The use of additives was...

3/3,K/2 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

09165610 Genuine Article#: 374HT No. References: 57
Title: **Solid-phase synthesis and biological evaluation of a teleocidin library-discovery of a selective PKC delta down regulator**
Author(s): **Meseguer B** ; AlonsoDiaz D; Griebenow N; Herget T; Waldmann H (REPRINT)
Corporate Source: MAX PLANCK INST MOL PHYSIOL,OTTO HAHN STR 11/D-44227 DORTMUND//GERMANY/ (REPRINT); MAX PLANCK INST MOL PHYSIOL,/D-44227 DORTMUND//GERMANY//; BAYER AG,CENT RES/D-51368 LEVERKUSEN//GERMANY//; UNIV DORTMUND,INST PHYSIOL CHEM, FB 3/D-55099 MAINZ//GERMANY/
Journal: CHEMISTRY-A EUROPEAN JOURNAL, 2000, V6, N21 (NOV 3), P3943-3957

ISSN: 0947-6539 Publication date: 20001103
Publisher: WILEY-V C H VERLAG GMBH, PO BOX 10 11 61, D-69451 BERLIN,
GERMANY
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)
Author(s): **Meseguer B** ; AlonsoDiaz D; Griebenow N; Herget T; Waldmann H
(REPRINT)

3/3,K/3 (Item 3 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

06956084 Genuine Article#: 108JQ No. References: 36
Title: An efficient stereoselective synthesis of stypodiol and epistypodiol
Author(s): Abad A (REPRINT) ; Agullo C; Arno M; Cunat AC; **Meseguer B** ;
Zaragoza RJ
Corporate Source: UNIV VALENCIA,FAC QUIM, DEPT QUIM ORGAN, C-DR MOLINER
50/E-46100 VALENCIA//SPAIN/ (REPRINT)
Journal: JOURNAL OF ORGANIC CHEMISTRY, 1998, V63, N15 (JUL 24), P5100-5106
ISSN: 0022-3263 Publication date: 19980724
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Abad A (REPRINT) ; Agullo C; Arno M; Cunat AC; **Meseguer B** ;
Zaragoza RJ
...Abstract: proceeds through common intermediates using an IMDA reaction,
a sonochemical Barbier reaction, and an acid- **catalyzed**
quinol-tertiary alcohol cyclization as key synthetic steps.

3/3,K/4 (Item 4 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

05286509 Genuine Article#: VN104 No. References: 17
Title: AN EFFICIENT STEREOCONTROLLED SYNTHESIS OF (-)-STYPOLDIONE
Author(s): ABAD A; AGULLO C; ARNO M; CUNAT AC; **MESEGUER B**
Corporate Source: UNIV VALENCIA,DEPT QUIM ORGAN,DR MOLINER 50/E-46100
BURJASSOT/VALENCIA/SPAIN//; UNIV VALENCIA,DEPT QUIM ORGAN/E-46100
BURJASSOT/VALENCIA/SPAIN/
Journal: SYNLETT, 1996, N9 (SEP), P913&
ISSN: 0936-5214
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Author(s): ABAD A; AGULLO C; ARNO M; CUNAT AC; **MESEGUER B**
...Abstract: from S-(+)-carvone (4) using an IMDA reaction, a sonochemical
Barbier reaction and an acid- **catalysed** quinol-tertiary alcohol
cyclization as key synthetic steps.

? s au=((militzer H?) or (militz? H?)or Militzer Han? Christ?)
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0 AU=MILITZ? H?
0 AU=MILITZER HAN? CHRIST?
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CHRIST?)

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791953 CATAL?
 28570 MANNIT?
 594832 PHOSPHO?
 S5 9 S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
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 >>>'H' not a valid keyword
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Set	Items	Description
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S3	4	RD (unique items)
S4	30	AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST?)
S5	9	S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)

? s s5 not s1
 9 S5
 14 S1
 S6 9 S5 NOT S1
 ? s s5 not s3
 9 S5
 4 S3
 S7 9 S5 NOT S3
 ? t s7/3,k/all

7/3,K/1 (Item 1 from file: 34)
 DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
 (c) 2006 The Thomson Corp. All rts. reserv.

15160860 Genuine Article#: 043QT No. References: 29
Title: The Julia-Colonna epoxidation: Access to chiral, non-racemic epoxides
 Author(s): Geller T (REPRINT) ; Gerlach A; Kruger CM; Militzer HC
 Corporate Source: Bayer CropSci AG,Proc Res,Alfred Nobel Str 50/D-40789
 Monheim//Germany/ (REPRINT); Bayer CropSci AG,Proc Res,D-40789
 Monheim//Germany//; Bayer CropSci AG,Proc Res,D-65926
 Frankfurt//Germany//; Wolff Cellulosics GmbH,D-29655 Walsrode//Germany//;
 Bayer HealthCare AG,Chem Dev,D-42096 Wuppertal//Germany/(
 thomas.geller@bayercropscience.com)
 Journal: JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, 2006, V251, N1-2,SI (MAY 17), P71-77
 ISSN: 1381-1169 Publication date: 20060517
 Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS
 Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Geller T (REPRINT) ; Gerlach A; Kruger CM; Militzer HC
 Abstract: The co- **catalysis** of the Julia-Colonna epoxidation with selected phase transfer **catalysts** results in a dramatic increase of reactivity and sometimes also in a higher enantiomeric excess...
 ...conditions, such that large scale industrial application of the method is now feasible. Highly active **catalyst** can be prepared via a statistical polymerisation of leucine-N-carboxyanhydride at elevated temperature. (c...
 ...Identifiers--ASYMMETRIC EPOXIDATION; ALPHA,BETA-UNSATURATED KETONES; CHALCONE; **CATALYSTS**; ALPHA; OXIDATION; LEUCINE; ENONES; ACIDS

7/3,K/2 (Item 2 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

12899515 Genuine Article#: 830QJ No. References: 12

Title: Scoping the triphasic/PTC conditions for the Julia-Colonna epoxidation reaction

Author(s): Geller T (REPRINT) ; Kruger CM; Militzer HC

Corporate Source: Bayer CropSci AG, Proc Res, Alfred Nobel Str 50/D-40789 Monheim//Germany/ (REPRINT); Bayer CropSci AG, Proc Res, D-40789 Monheim//Germany/; Bayer Chem AG R&D, D-51368 Leverkusen//Germany/; Bayer Hlth Care AG, Proc Dev, Chem Dev, D-42096 Wuppertal//Germany/(thomas.geller@bayercropscience.com)

Journal: TETRAHEDRON LETTERS, 2004, V45, N26 (JUN 21), P5069-5071

ISSN: 0040-4039 Publication date: 20040621

Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Geller T (REPRINT) ; Kruger CM; Militzer HC

...Abstract: epoxidation is reported. Based on the original triphasic protocol it is shown that the co- **catalysis** of the reaction with phase transfer **catalysts** results in a dramatic increase of reactivity and sometimes also in a higher enantiomeric excess...

7/3,K/3 (Item 3 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

12899514 Genuine Article#: 830QJ No. References: 23

Title: Novel conditions for the Julia-Colonna epoxidation reaction providing efficient access to chiral, nonracemic epoxides

Author(s): Geller T; Gerlach A; Kruger CM; Militzer HC (REPRINT)

Corporate Source: Bayer HealthCare AG, D-42096 Wuppertal//Germany/ (REPRINT) ; Bayer HealthCare AG, D-42096 Wuppertal//Germany/; Bayer CropSci AG, D-40789 Monheim//Germany/; Bayer Chem AG, D-51368 Leverkusen//Germany/(hans-christian.militzer.hm@bayer-ag.de)

Journal: TETRAHEDRON LETTERS, 2004, V45, N26 (JUN 21), P5065-5067

ISSN: 0040-4039 Publication date: 20040621

Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Geller T; Gerlach A; Kruger CM; Militzer HC (REPRINT)

Abstract: The addition of a phase-transfer **catalyst** significantly accelerates the Julia-Colonna epoxidation reaction yielding chiral, nonracemic epoxy ketones. Furthermore, a reliable procedure for the preparation of highly active poly-L-leucine **catalyst** is reported. (C) 2004 Elsevier Ltd. All rights reserved.

...Identifiers--POLYAMINO ACID **CATALYSTS** ; ASYMMETRIC EPOXIDATION; HELICAL STRUCTURE; INDUCTION; CHALCONE

7/3,K/4 (Item 4 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

12873247 Genuine Article#: 829WG No. References: 63

Title: Development of protocols for the separation of Os catalysts from organic products in the catalytic dihydroxylation of olefins

Author(s): Kokritz A (REPRINT) ; Bartoszek M; Dobler C; Beller M; Magerlein W; Militzer HC

Corporate Source: Berlin Adlersho eV,ACA, Inst Appl Chem,Richard Willstatter Str 12/D-12489 Berlin//Germany/ (REPRINT); Berlin Adlersho eV,ACA, Inst Appl Chem,D-12489 Berlin//Germany//; Leibniz Inst Organ Katalyse Rostock,D-18055 Rostock//Germany//; Bayer Chem AG,FCH, RD, LP2,D-51368 Leverkusen//Germany/

Journal: JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, 2004, V218, N1 (AUG 17), P55-66

ISSN: 1381-1169 Publication date: 20040817

Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: Development of protocols for the separation of Os catalysts from organic products in the catalytic dihydroxylation of olefins

Author(s): Kokritz A (REPRINT) ; Bartoszek M; Dobler C; Beller M; Magerlein W; Militzer HC

...Abstract: for the detection of electrophilic osmium species in organic product solutions. For recycling of the **catalyst** an osmium alkaloid complex was immobilised by introducing an ionic group into the ligand and embedding the **catalyst** in a polyelectrolyte matrix. In addition, the native polymeric aminosugar chitin was used as ligand as well as a support in the dihydroxylation for the first time. These chitin-based **catalysts** showed good productivities and retention of osmium from the products was ensured using NMO as the oxidant. However, the **catalytic** reaction did not proceed enantioselectively.

Enantiomerically enriched diols were obtained in high yields without significant...

...bleach as the oxidant with a downstream separation of the 1,2-diol from the **catalyst** by extraction. The remaining osmium-containing solution has been recycled up to eight times without...

...Identifiers--HETEROGENEOUS ASYMMETRIC DIHYDROXYLATION; CINCHONA ALKALOID LIGANDS; SUPPORTED OSMIUM **CATALYST** ; POLYMER-BOUND LIGAND; TERMINAL OXIDANT; CIS-DIHYDROXYLATION; EFFICIENT; ALKENES; TETROXIDE; DIOLS

7/3,K/5 (Item 5 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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12328920 Genuine Article#: 754NB No. References: 19

Title: Julia-Colonna oxidation reaction: Efficient access to chiral epoxides

Author(s): Geller T (REPRINT) ; Gerlach A; Kruger CM; Militzer HC

Corporate Source: Bayer CropSci AG,Alfred Nobel Str 50/D-40789 Monheim//Germany/ (REPRINT); Bayer CropSci AG,D-40789 Monheim//Germany/ ; Bayer AG,Bayer Chem,D-51368 Leverkusen//Germany/

Journal: CHIMICA OGGI-CHEMISTRY TODAY, 2003, V21, N9 (SEP), P6-8

ISSN: 0392-839X Publication date: 20030900

Publisher: TEKNOSCIENZE PUBL, VIA AURELIO SAFFI 23, 20123 MILAN, ITALY

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Geller T (REPRINT) ; Gerlach A; Kruger CM; Militzer HC

Abstract: The addition of a well chosen phase transfer **catalyst** significantly accelerates the Julia-Colonna epoxidation reaction yielding chiral epoxy ketones. Furthermore, a reliable preparation procedure for highly active poly-L-leucine **catalyst** has been developed.

...Identifiers--ASYMMETRIC EPOXIDATION REACTION; POLYAMINO ACID CATALYSTS
; HELICAL STRUCTURE; INDUCTION; CHALCONE; KETONES; OLEFINS

7/3,K/6 (Item 6 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

11924567. Genuine Article#: 710MT No. References: 6

Title: New monodentate chiral phosphite ligands for asymmetric hydrogenation

Author(s): Hannen P; Militzer HC ; Vogl EM; Rampf FA (REPRINT)

Corporate Source: Bayer AG, Bayer Chem, D-51368 Leverkusen//Germany/

(REPRINT); Bayer AG, Bayer Chem, D-51368 Leverkusen//Germany//; Max Planck
Inst Kohlenforsch, D-45470 Mulheim//Germany/

Journal: CHEMICAL COMMUNICATIONS, 2003, N17, P2210-2211

ISSN: 1359-7345 Publication date: 20030000

Publisher: ROYAL SOC CHEMISTRY, THOMAS GRAHAM HOUSE, SCIENCE PARK, MILTON
RD, CAMBRIDGE CB4 0WF, CAMBS, ENGLAND

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Hannen P; Militzer HC ; Vogl EM; Rampf FA (REPRINT)

...Abstract: by a chiral alkylenedioxy bridge. We also describe results
obtained with these ligands in rhodium- catalysed asymmetric
hydrogenation of various substrates.

7/3,K/7 (Item 7 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

11381682 Genuine Article#: 643KD No. References: 47

Title: A new practical method for the osmium- catalyzed dihydroxylation of olefins using bleach as the terminal oxidant

Author(s): Mehltretter GM; Bhor S; Klawonn M; Dobler C; Sundermeier U;
Eckert M; Militzer HC ; Beller M (REPRINT)

Corporate Source: Univ Rostock eV, Inst Organ Katalyseforsch

IfOK, Bunchbinderstr 5-6/D-18055 Rostock//Germany/ (REPRINT); Univ

Rostock eV, Inst Organ Katalyseforsch IfOK, D-18055 Rostock//Germany//;

Bayer AG, D-51368 Leverkusen//Germany/

Journal: SYNTHESIS-STUTTGART, 2003, N2 (JAN), P295-301

ISSN: 0039-7881 Publication date: 20030100

Publisher: GEORG THIEME VERLAG KG, RUDIGERSTR 14, D-70469 STUTTGART,
GERMANY

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: A new practical method for the osmium- catalyzed dihydroxylation of olefins using bleach as the terminal oxidant

Author(s): Mehltretter GM; Bhor S; Klawonn M; Dobler C; Sundermeier U;
Eckert M; Militzer HC ; Beller M (REPRINT)

Abstract: A general procedure for the osmium- catalyzed dihydroxylation of
various olefins using bleach as oxidant is reported for the first time.
Aromatic...

...Identifiers--SHARPLESS ASYMMETRIC DIHYDROXYLATION; LIGAND-ACCELERATED
CATALYSIS ; ENANTIOSELECTIVE DIHYDROXYLATION; ALCOHOL DERIVATIVES; AIR;
TETROXIDE; LEADS; H2O2

7/3,K/8 (Item 8 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci

(c) 2006 The Thomson Corp. All rts. reserv.

10169469 Genuine Article#: 492QF No. References: 28
Title: Selective oxidation of alcohols in the presence of an Os/O(2) system
Author(s): Dobler C; Mehltretter GM; Sundermeier U; Eckert M; Militzer HC
; Beller M (REPRINT)
Corporate Source: Univ Rostock eV, Inst Organ Katalyseforsch,
IfOK, Buchbinderstr 5-6/D-18055 Rostock//Germany/ (REPRINT); Univ
Rostock eV, Inst Organ Katalyseforsch, IfOK, D-18055 Rostock//Germany/;
Bayer AG, D-51368 Leverkusen//Germany/
Journal: TETRAHEDRON LETTERS, 2001, V42, N48 (NOV 26), P8447-8449
ISSN: 0040-4039 **Publication date:** 20011126
Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE,
KIDLINGTON, OXFORD OX5 1GB, ENGLAND
Language: English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

Author(s): Dobler C; Mehltretter GM; Sundermeier U; Eckert M; Militzer HC
; Beller M (REPRINT)
Abstract: The osmium- **catalyzed** oxidation of alcohols with molecular
oxygen to give aldehydes in good to excellent yields has...

...phase system with a constant pH of 10.4. Under optimized reaction
conditions a remarkable **catalyst** productivity (TON up to 16600) is
observed. (C) 2001 Published by Elsevier Science Ltd.
...Identifiers-- **CATALYZED** AEROBIC OXIDATION; MOLECULAR-OXYGEN; ASYMMETRIC
DIHYDROXYLATION; ALDEHYDES; EFFICIENT; SYSTEM; KETONES;
1,2-DICHLOROETHANE; DIOXYGEN; OXIDANT

7/3,K/9 (Item 9 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

03714465 Genuine Article#: PZ788 No. References: 43
Title: A SIMPLE SYNTHESIS OF ALPHA, BETA-UNSATURATED GAMMA-AMINOBUTYRIC-ACID
(GABA) DERIVATIVES FROM ENAMINES
Author(s): HENNIGES H; GUSSETTI C; MILITZER HC ; BAIRD MS; DEMEIJERE A
Corporate Source: UNIV GOTTINGEN, INST ORGAN CHEM, TAMMANNSTR 2/D-37077
GOTTINGEN//GERMANY/; UNIV GOTTINGEN, INST ORGAN CHEM/D-37077
GOTTINGEN//GERMANY/; UNIV HAMBURG, INST ORGAN CHEM/D-20146
HAMBURG//GERMANY/; UNIV COLL N WALES, DEPT ORGAN CHEM/BANGOR LL57
2UW/GWYNEDD/WALES/
Journal: SYNTHESIS-STUTTGART, 1994, N12 (DEC), P1471-1475
ISSN: 0039-7881
Language: ENGLISH **Document Type:** ARTICLE (Abstract Available)

Author(s): HENNIGES H; GUSSETTI C; MILITZER HC ; BAIRD MS; DEMEIJERE A
...Abstract: cleavage of the dibenzylamino derivative 9d with
trifluoroacetic acid yields the corresponding acid 10. Subsequent
catalytic hydrogenation of 10 leads to the fully deprotected
4-amino-4-methylpentanoic acid (12) in...
...Research Fronts: IMINO ESTERS; GLYCINE DERIVATIVES; AMINATED ULOSONIC
ACIDS)

93-4342 001 (ENANTIOMERICALLY PURE PROTECTED AMINO-ACIDS; **CATALYTIC**
ENANTIOSELECTIVE ADDITION; HIGHLY STEREOSELECTIVE SYNTHESIS)
93-6672 001 (2,3-METHANOAMINO ACIDS; PSEUDOMONAS-SYRINGAE PV...
? s au=((castillon S?) or (cast? s?))
118 AU=CASTILLON S?
38 AU=CAST? S?
S8 156 AU=((CASTILLON S?) OR (CAST? S?))

? s s8 and (transit? or catal? or mannit? or phospho?)
 >>>File 5 processing for PHOSPHO? stopped at PHOSPHOMOLYBDIC
 >>>File 34 processing for PHOSPHO? stopped at PHOSPHONOACETATE
 156 S8
 820676 TRANSIT?
 791953 CATAL?
 28570 MANNIT?
 594832 PHOSPHO?
 S9 50 S8 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
 ? s s9 and transition()metal
 50 S9
 605423 TRANSITION
 586685 METAL
 70303 TRANSITION(W)METAL
 S10 4 S9 AND TRANSITION()METAL
 ? s s9 and catal?
 50 S9
 791953 CATAL?
 S11 50 S9 AND CATAL?
 ? s s9 and mannitol
 50 S9
 28324 MANNITOL
 S12 1 S9 AND MANNITOL
 ? t s12

12/2/1 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
 (c) 2006 The Thomson Corp. All rts. reserv.

13300832 Genuine Article#: 865MT Number of References: 44
Title: C-2-symmetric diphosphinite ligands derived from carbohydrates. The strong influence of remote stereocenters on asymmetric rhodium-catalyzed hydrogenation
 Author(s): Aghmiz M; Aghmiz A; Diaz Y (REPRINT) ; Masdeu-Bulto A; Claver C; Castillon S
 Corporate Source: Univ Rovira & Virgili,Dept Quim Analit & Quim Organ, Fac Quim,Pl Imperial Tarraco 1/Tarragona 43005//Spain/ (REPRINT); Univ Rovira & Virgili,Dept Quim Analit & Quim Organ, Fac Quim,Tarragona 43005//Spain/; Univ Rovira & Virgili,Dept Quim Fis & Inorgan, Fac Quim,Tarragona 43005//Spain/(ydiaz@quimica.urv.es; castillon@quimica.urv.es)
 Journal: JOURNAL OF ORGANIC CHEMISTRY, 2004, V69, N22 (OCT 29), P7502-7510
 ISSN: 0022-3263 Publication date: 20041029
 Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA
 Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)
 Geographic Location: Spain
 Journal Subject Category: CHEMISTRY, ORGANIC
 Identifiers--KeyWord Plus(R): CHIRAL LIGANDS; D-GLUCOSE; DEHYDROAMINO ACIDS; VINYL ARENES; AMINO-ACIDS; D- **MANNITOL** ; COMPLEXES; DERIVATIVES; HYDROCYANATION; PHOSPHINITES
 ? ds

Set	Items	Description
S1	14	AU=((MESEGUER B?) OR (MESEG? B?))
S2	4	S1 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH?)
S3	4	RD (unique items)
S4	30	AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST?)
S5	9	S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
S6	9	S5 NOT S1
S7	9	S5 NOT S3
S8	156	AU=((CASTILLON S?) OR (CAST? S?))

S9 50 S8 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
 S10 4 S9 AND TRANSITION()METAL
 S11 50 S9 AND CATAL?
 S12 1 S9 AND MANNITOL

? s s8 and mannitol

156 S8

28324 MANNITOL

S13 1 S8 AND MANNITOL

? s s8 and rhod?

156 S8

185318 RHOD?

S14 30 S8 AND RHOD?

? s s14 not s7

30 S14

9 S7

S15 30 S14 NOT S7

? s s15 not s3

30 S15

4 S3

S16 30 S15 NOT S3

? t free

>>>'FREE' not recognized as set or accession number

? s s16 and monop?

30 S16

127004 MONOP?

S17 0 S16 AND MONOP?

? s s16 and chiral

30 S16

133060 CHIRAL

S18 13 S16 AND CHIRAL

? ds

Set	Items	Description
S1	14	AU=((MESEGUER B?) OR (MESEG? B?))
S2	4	S1 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH?)
S3	4	RD (unique items)
S4	30	AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST?)
S5	9	S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
S6	9	S5 NOT S1
S7	9	S5 NOT S3
S8	156	AU=((CASTILLON S?) OR (CAST? S?))
S9	50	S8 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
S10	4	S9 AND TRANSITION()METAL
S11	50	S9 AND CATAL?
S12	1	S9 AND MANNITOL
S13	1	S8 AND MANNITOL
S14	30	S8 AND RHOD?
S15	30	S14 NOT S7
S16	30	S15 NOT S3
S17	0	S16 AND MONOP?
S18	13	S16 AND CHIRAL

? s s8 and py<=2003

Processing

156 S8

29685384 PY<=2003

S19 138 S8 AND PY<=2003

? s s9 and s11

50 S9

50 S11

S20 50 S9 AND S11

? s s20 and 9

50 S20
 2515738 9
 S21 4 S20 AND 9
 ? s s20 and s9
 50 S20
 50 S9
 S22 50 S20 AND S9
 ? s s10 not s13
 4 S10
 1 S13
 S23 4 S10 NOT S13
 ? t s23/3,k/all

23/3,K/1 (Item 1 from file: 34)
 DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
 (c) 2006 The Thomson Corp. All rts. reserv.

13439213 Genuine Article#: 880TZ No. References: 167
Title: Carbohydrate derivative ligands in asymmetric catalysis
 Author(s): Dieguez M; Pamies O; Ruiz A; Diaz Y; **Castillon S** ; Claver C
 (REPRINT)
 Corporate Source: Univ Rovira & Virgili, Dept Quim Fis & Inorgan, Pl Imperial
 Tarraco 1/E-43005 Tarragona//Spain/ (REPRINT); Univ Rovira &
 Virgili, Dept Quim Fis & Inorgan, E-43005 Tarragona//Spain/; Univ Rovira
 & Virgili, Dept Quim Analit & Quim Organ, E-43005 Tarragona//Spain/

claver@quimica.urv.es)
 Journal: COORDINATION CHEMISTRY REVIEWS, 2004, V248, N21-24 (DEC), P
 2165-2192

ISSN: 0010-8545 Publication date: 20041200
 Publisher: ELSEVIER SCIENCE SA, PO BOX 564, 1001 LAUSANNE, SWITZERLAND
 Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

Title: Carbohydrate derivative ligands in asymmetric catalysis
 Author(s): Dieguez M; Pamies O; Ruiz A; Diaz Y; **Castillon S** ; Claver C
 (REPRINT)

Abstract: This review describes how carbohydrates have been applied as
 ligands in **transition metal asymmetric catalysis**. In general,
 carbohydrates are functionalized with donor atoms such as P, N or S so
 that they can be coordinated to **transition metals**. The review deals
 with all the different types of ligands in turn. After an introduction
 describing their general features and advantages in **asymmetric**
catalysis, the carbohydrate phosphorus ligands, diphosphines,
 diphosphites, diphosphinites, and related phosphorus ligands are
 reviewed. Heterodonor carbohydrate...

...ligands are also discussed. Other related ligands are included because
 of their importance in **asymmetric catalysis**. In all cases the most
 important results of their application in **asymmetric catalysis** are
 highlighted and the intermediates are studied. (C) 2004 Elsevier B.V.
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23/3,K/2 (Item 2 from file: 34)
 DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
 (c) 2006 The Thomson Corp. All rts. reserv.

12514771 Genuine Article#: 773MB No. References: 33
Title: A case for enantioselective allylic alkylation catalyzed by
palladium nanoparticles

Author(s): Jansat S; Gomez M; Philippot K; Muller G; Guiu E; Claver C;
Castillon S ; Chaudret B (REPRINT)
Corporate Source: Univ Barcelona, Dept Quim Inorgan, Marti & Franques
1-11/Barcelona 08028//Spain/ (REPRINT); Univ Barcelona, Dept Quim
Inorgan, Barcelona 08028//Spain/; CNRS, Chim Coordinat Lab, F-31077
Toulouse 04//France/; Univ Rovira & Virgili, Dept Quim Fis & Quim
Inorgan, Tarragona 43005//Spain/; Univ Rovira & Virgili, Dept Quim Analit
& Quim Organ, Tarragona 43005//Spain/
Journal: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 2004, V126, N6 (FEB 18)
, P1592-1593
ISSN: 0002-7863 Publication date: 20040218
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA
Language: English Document Type: ARTICLE

**Title: A case for enantioselective allylic alkylation catalyzed by
palladium nanoparticles**

Author(s): Jansat S; Gomez M; Philippot K; Muller G; Guiu E; Claver C;
Castillon S ; Chaudret B (REPRINT)
...Identifiers-- **TRANSITION - METAL NANOCCLUSERS; KINETIC RESOLUTION;
PLATINUM COLLOIDS; ETHYL PYRUVATE; HYDROGENATION; LIGANDS; PRECURSORS;
POLYMER; SUZUKI**

23/3,K/3 (Item 3 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

06365130 Genuine Article#: YM473 No. References: 64
**Title: Synthesis and reactivity of cationic iridium(I) complexes of
cycloocta-1,5-diene and chiral dithioether ligands. Application as
catalyst precursors in asymmetric hydrogenation**
Author(s): Diequez M; Orejon A; MasdeuBulto AM; Echarri R; Castillon S ;
Claver C (REPRINT) ; Ruiz A
Corporate Source: UNIV ROVIRA & VIRGILI, FAC QUIM, DEPT QUIM, PL IMPERIAL
TARRACO 1/TARRAGONA 43005//SPAIN/ (REPRINT); UNIV ROVIRA & VIRGILI, FAC
QUIM, DEPT QUIM/TARRAGONA 43005//SPAIN/
Journal: JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS, 1997, N23 (
DEC 7), P4611-4618
ISSN: 0300-9246 Publication date: 19971207
Publisher: ROYAL SOC CHEMISTRY, THOMAS GRAHAM HOUSE, SCIENCE PARK, MILTON
ROAD, CAMBRIDGE, CAMBS, ENGLAND CB4 4WF
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...**Title: cationic iridium(I) complexes of cycloocta-1,5-diene and chiral
dithioether ligands. Application as catalyst precursors in asymmetric
hydrogenation**

Author(s): Diequez M; Orejon A; MasdeuBulto AM; Echarri R; Castillon S ;
Claver C (REPRINT) ; Ruiz A
...Identifiers-- **TRANSITION - METAL COMPLEXES; RAY CRYSTAL-STRUCTURE;
HOMOGENEOUS HYDROGENATION; ENANTIOSELECTIVE HYDROGENATION; SELECTIVE
HYDROGENATION; SULFUR LIGANDS; HYDROFORMYLATION; RHODIUM(I)**

23/3,K/4 (Item 4 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

04289833 Genuine Article#: RU279 No. References: 24
**Title: ASYMMETRIC HYDROFORMYLATION OF STYRENE USING DITHIOLATO BRIDGED
DIRHODIUM CATALYST WITH BDPP AS CHIRAL LIGAND**

Author(s): MASDEUBULTO AM; OREJON A; CASTILLON S ; CLAVER C
 Corporate Source: UNIV ROVIRA & VIRGILI,DEPT QUIM,PL IMPERIAL TARRACO
 1/E-43005 TARRAGONA//SPAIN/; UNIV ROVIRA & VIRGILI,DEPT QUIM/E-43005
 TARRAGONA//SPAIN/
 Journal: TETRAHEDRON-ASYMMETRY, 1995, V6, N8 (AUG), P1885-1888
 ISSN: 0957-4166
 Language: ENGLISH Document Type: NOTE (Abstract Available)

**Title: ASYMMETRIC HYDROFORMYLATION OF STYRENE USING DITHIOLATO BRIDGED
 DIRHODIUM CATALYST WITH BDPP AS CHIRAL LIGAND**

Author(s): MASDEUBULTO AM; OREJON A; CASTILLON S ; CLAVER C
 Research Fronts: 93-7876 002 (ASYMMETRIC HYDROFORMYLATION CATALYST ;
 OPTICALLY-ACTIVE TRANSITION - METAL COMPLEXES; REGIOSELECTIVE
 HYDROCARBOXYLATION; BIOACTIVE MOLECULES)

? s au=(claver C?)
 S24 211 AU=(CLAVER C?)
 ? s s24 and (transit? or mannit? or phospho?)
 >>>File 5 processing for PHOSPHO? stopped at PHOSPHOMOLYBDIC
 >>>File 34 processing for PHOSPHO? stopped at PHOSPHONOACETATE
 211 S24
 820676 TRANSIT?
 28570 MANNIT?
 594832 PHOSPHO?
 S25 23 S24 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)
 ? s s25 and py<=2003
 Processing
 23 S25
 29685384 PY<=2003
 S26 13 S25 AND PY<=2003
 ? rd
 S27 13 RD (unique items)
 ? ds

Set	Items	Description
S1	14	AU=((MESEGUER B?) OR (MESEG? B?))
S2	4	S1 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH?)
S3	4	RD (unique items)
S4	30	AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST?)
S5	9	S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
S6	9	S5 NOT S1
S7	9	S5 NOT S3
S8	156	AU=((CASTILLON S?) OR (CAST? S?))
S9	50	S8 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
S10	4	S9 AND TRANSITION()METAL
S11	50	S9 AND CATAL?
S12	1	S9 AND MANNITOL
S13	1	S8 AND MANNITOL
S14	30	S8 AND RHOD?
S15	30	S14 NOT S7
S16	30	S15 NOT S3
S17	0	S16 AND MONOP?
S18	13	S16 AND CHIRAL
S19	138	S8 AND PY<=2003
S20	50	S9 AND S11
S21	4	S20 AND 9
S22	50	S20 AND S9
S23	4	S10 NOT S13
S24	211	AU=(CLAVER C?)
S25	23	S24 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)
S26	13	S25 AND PY<=2003
S27	13	RD (unique items)

? s s27 not s23

13 S27

4 S23

S28 11 S27 NOT S23

? t s28/3,k/all

28/3,K/1 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2006 The Thomson Corp. All rts. reserv.

11150865 Genuine Article#: 615XC No. References: 36

Title: New half-sandwich heterobimetallic CpMPt (M = Rh, Ir) dithiolato bridged complexes. X-ray structure of

[(PPh3)(2)Pt(mu-S(CH2)(2)S)RhCl(eta(5)-C5H5)]BF4

Author(s): Fornies-Camer J; Claver C ; Masdeu-Bulto AM (REPRINT) ; Cardin CJ

Corporate Source: Univ Rovira & Virgili,Dept Quim Fis & Inorgan,Pl Imperial Tarraco 1/Tarragona 43005//Spain/ (REPRINT); Univ Rovira & Virgili,Dept Quim Fis & Inorgan,Tarragona 43005//Spain/; Univ Reading,Dept Chem,Reading RG6 6AD/Berks/England/

Journal: JOURNAL OF ORGANOMETALLIC CHEMISTRY, 2002 , V662, N1-2 (NOV 15) , P188-191

ISSN: 0022-328X Publication date: 20021115

Publisher: ELSEVIER SCIENCE SA, PO BOX 564, 1001 LAUSANNE, SWITZERLAND

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Fornies-Camer J; Claver C ; Masdeu-Bulto AM (REPRINT) ; Cardin CJ

, 2002

...Identifiers--THIOLATE COMPLEXES; TRANSITION -METALS; METALLOLIGANDS; CRYSTAL; REACTIVITIES; BINUCLEAR; CHELATE; LIGAND; PD

28/3,K/2 (Item 2 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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10219465 Genuine Article#: 500BL No. References: 42

Title: Highly enantioselective rh-catalyzed hydrogenation based on phosphine-phosphite ligands derived from carbohydrates

Author(s): Pamies O; Dieguez M; Net G; Ruiz A (REPRINT) ; Claver C

Corporate Source: Univ Rovira & Virgili,Dept Quim Fis & Inorgan,Pl Imperial Tarraco 1/Tarragona 43005//Spain/ (REPRINT); Univ Rovira & Virgili,Dept Quim Fis & Inorgan,Tarragona 43005//Spain/

Journal: JOURNAL OF ORGANIC CHEMISTRY, 2001 , V66, N25 (DEC 14), P 8364-8369

ISSN: 0022-3263 Publication date: 20011214

Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Pamies O; Dieguez M; Net G; Ruiz A (REPRINT) ; Claver C

, 2001

...Identifiers--ASYMMETRIC HYDROGENATION; DIPHOSPHITE LIGANDS; ALLYLIC ALKYLATION; HYDROFORMYLATION; COMPLEXES; MECHANISM; MANNITOL; BACKBONE; STYRENE; OLEFINS

28/3,K/3 (Item 3 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2006 The Thomson Corp. All rts. reserv.

09756350 Genuine Article#: 446DN No. References: 27

Title: Diphosphites as a promising new class of ligands in Pd-catalysed asymmetric allylic alkylation

Author(s): Dieguez M (REPRINT) ; Jansat S; Gomez M; Ruiz A; Muller G; Claver C

Corporate Source: Univ Barcelona, Dept Quim Inorgan, Marti & Franques 1-11/E-08028 Barcelona//Spain/ (REPRINT); Univ Barcelona, Dept Quim Inorgan, E-08028 Barcelona//Spain/; Univ Rovira & Virgili, Dept Quim Fis & Inorgan, Tarragona 43005//Spain/

Journal: CHEMICAL COMMUNICATIONS, 2001, N12 (JUN 21), P1132-1133

ISSN: 1359-7345 **Publication date:** 20010621

Publisher: ROYAL SOC CHEMISTRY, THOMAS GRAHAM HOUSE, SCIENCE PARK, MILTON RD,, CAMBRIDGE CB4 0WF, CAMBS, ENGLAND

Language: English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

Author(s): Dieguez M (REPRINT) ; Jansat S; Gomez M; Ruiz A; Muller G; Claver C

, 2001

...Identifiers--PHOSPHINE-PHOSPHITE; HYDROGENATION; RH; PHOSPHOLANES; COMPLEXES

28/3,K/4 (Item 4 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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08682707 Genuine Article#: 316JJ No. References: 8

Title: Biarylphosphonites: a class of monodentate phosphorus(III) ligands that outperform their chelating analogues in asymmetric hydrogenation catalysis

Author(s): Claver C ; Fernandez E; Gillon A; Heslop K; Hyett DJ; Martorell A; Orpen AG; Pringle PG (REPRINT)

Corporate Source: UNIV BRISTOL, SCH CHEM, CANTOCKS CLOSE/BRISTOL BS8 1TS/AVON/ENGLAND/ (REPRINT); UNIV BRISTOL, SCH CHEM/BRISTOL BS8 1TS/AVON/ENGLAND/; UNIV ROVIRA & VIRGILI, DEPT QUIM FIS INORGAN/TARRAGONA//SPAIN/

Journal: CHEMICAL COMMUNICATIONS, 2000, N11, P961-962

ISSN: 1359-7345 **Publication date:** 20000000

Publisher: ROYAL SOC CHEMISTRY, THOMAS GRAHAM HOUSE, SCIENCE PARK, MILTON RD, CAMBRIDGE CB4 0WF, CAMBS, ENGLAND

Language: English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

Author(s): Claver C ; Fernandez E; Gillon A; Heslop K; Hyett DJ; Martorell A; Orpen AG; Pringle PG...

, 2000

Abstract: Rhodium(I) complexes of monodentate phosphonites derived from 2,2'-binaphthol and 9,9'-biphenanthrol are compared with diphosphonite chelate analogues...

28/3,K/5 (Item 5 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2006 The Thomson Corp. All rts. reserv.

08508654 Genuine Article#: 294KZ No. References: 56

Title: The influence of chiral phosphite and phosphonite ligands on the hydrogenation of imines with rhodium and iridium complexes

Author(s): Martorell A; Claver C ; Fernandez E (REPRINT)

Corporate Source: UNIV ROVIRA & VIRGILI, DEPT QUIM FIS & INORGAN, PL

IMPERIAL TARRACO 1/TARRAGONA 43005//SPAIN/ (REPRINT); UNIV ROVIRA &
VIRGILI,DEPT QUIM FIS & INORGAN/TARRAGONA 43005//SPAIN/
Journal: INORGANIC CHEMISTRY COMMUNICATIONS, 2000 , V3, N3 (MAR), P132-135
ISSN: 1387-7003 Publication date: 20000300
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: The influence of chiral phosphite and phosphonite ligands on the hydrogenation of imines with rhodium and iridium complexes

Author(s): Martorell A; Claver C ; Fernandez E (REPRINT)
, 2000

Abstract: Acyclic imines were hydrogenated with rhodium and iridium complexes modified with chiral phosphite and phosphonite ligands. Iridium neutral precursors provided better activities than the analogous cationic complexes, although enantioselectivity was...

28/3,K/6 (Item 6 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

08163716 Genuine Article#: 253DB No. References: 289

Title: Homogeneous catalysis with transition metal complexes containing sulfur ligands

Author(s): Bayon JC (REPRINT) ; Claver C ; MasdeuBulto AM

Corporate Source: UNIV AUTONOMA BARCELONA,DEPT QUIM/BELLATERRA
08913//SPAIN/ (REPRINT); UNIV ROVIRA & VIRGILI,DEPT QUIM FIS &
INORGAN/TARRAGONA 43005//SPAIN/

Journal: COORDINATION CHEMISTRY REVIEWS, 1999 , V195 (OCT), P73-145

ISSN: 0010-8545 Publication date: 19991000

Publisher: ELSEVIER SCIENCE SA, PO BOX 564, 1001 LAUSANNE, SWITZERLAND

Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

Title: Homogeneous catalysis with transition metal complexes containing sulfur ligands

Author(s): Bayon JC (REPRINT) ; Claver C ; MasdeuBulto AM
, 1999

Abstract: Transition metal complexes with sulfur ligands are active catalysts in a considerable number of homogeneous reactions...

28/3,K/7 (Item 7 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

06568522 Genuine Article#: ZB611 No. References: 18

Title: Synthesis, structure, and dynamic behaviour of transition metal chelate complexes with atropisomeric dithioether ligands

Author(s): Gladiali S (REPRINT) ; Fabbri D; Kollar L; Claver C; Ruiz N;
AlvarezLarena A; Piniella JF

Corporate Source: UNIV SASSARI,DIPARTIMENTO CHIM, VIA VIENNA 2/I-07100
SASSARI//ITALY/ (REPRINT); CNR,IST APPLICAZ TECN CHIM AVANZATE PROBLEMI
AGROBIOL/I-07100 SASSARI//ITALY/; UNIV PECS,DEPT INORGANIC CHEM/H-7601
PECS//HUNGARY/; UNIV ROVIRA & VIRGILI,DEPT QUIM/E-43005
TARRAGONA//SPAIN/; UNIV AUTONOMA BARCELONA,AREA CRISTALLOG &
MINERAL/E-08193 BELLATERRA//SPAIN/

Journal: EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, 1998, N1 (JAN), P113-118

ISSN: 1434-1948 Publication date: 19980100

Publisher: WILEY-V C H VERLAG GMBH, POSTFACH 10 11 61, D-69451 WEINHEIM,
GERMANY

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: Synthesis, structure, and dynamic behaviour of transition metal
chelate complexes with atropisomeric dithioether ligands

28/3,K/8 (Item 8 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

04247996 Genuine Article#: RR349 No. References: 93

Title: RECENT ADVANCES IN ENANTIOSELECTIVE HYDROFORMYLATION

Author(s): GLADIALI S; BAYON JC; CLAVER C

Corporate Source: UNIV SASSARI,DIPARTIMENTO CHIM,VIA VIENNA 2/I-07100
SASSARI//ITALY//; UNIV AUTONOMA BARCELONA,DEPT QUIM/E-08193
BARCELONA//SPAIN//; UNIV ROVIRA & VIRGILI,DEPT QUIM/E-43005
TARRAGONA//SPAIN/

Journal: TETRAHEDRON-ASYMMETRY, 1995 , V6, N7 (JUL), P1453-1474

ISSN: 0957-4166

Language: ENGLISH Document Type: ARTICLE

Author(s): GLADIALI S; BAYON JC; CLAVER C

, 1995

Research Fronts: 93-5317 001 (HOMOGENEOUS HRH(CO)(PPH3)3 CATALYST;
POLYMER SUPPORTED TRANSITION -METAL COMPLEXES; CONTINUOUS LIQUID-PHASE
HYDROFORMYLATION)

93-7876 001 (ASYMMETRIC HYDROFORMYLATION CATALYST; OPTICALLY-ACTIVE
TRANSITION -METAL COMPLEXES; REGIOSELECTIVE HYDROCARBOXYLATION;
BIOACTIVE MOLECULES)

28/3,K/9 (Item 9 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

03836432 Genuine Article#: QJ128 No. References: 18

Title: PREPARATION OF CARBONYL PHOSPHINE RHODIUM COMPLEXES WITH DITHIOLATE
BRIDGES - APPLICATION AS CATALYST PRECURSORS IN THE HYDROFORMYLATION OF
1-HEXENE

Author(s): AALITI A; MASDEU AM; RUIZ A; CLAVER C

Corporate Source: UNIV ROVIRA & VIRGILI,FAC QUIM,DEPT QUIM,PL IMPERIAL
TARRACO 1/E-43005 TARRAGONA//SPAIN//; UNIV ROVIRA & VIRGILI,FAC
QUIM,DEPT QUIM/E-43005 TARRAGONA//SPAIN/

Journal: JOURNAL OF ORGANOMETALLIC CHEMISTRY, 1995 , V489, N1-2 (MAR 8), P
101-106

ISSN: 0022-328X

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Author(s): AALITI A; MASDEU AM; RUIZ A; CLAVER C

, 1995

Research Fronts: 93-5317 001 (HOMOGENEOUS HRH(CO)(PPH3)3 CATALYST;
POLYMER SUPPORTED TRANSITION -METAL COMPLEXES; CONTINUOUS LIQUID-PHASE
HYDROFORMYLATION)

93-8262 001 (RUTHENIUM COMPLEXES; LIGAND STERIC PROPERTIES; MOLECULAR
...

28/3,K/10 (Item 10 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

00831822 Genuine Article#: EZ796 No. References: 36
**Title: RHODIUM(I) AND IRIIDIUM(I) COMPLEXES OF PH₂P(S)CH₂P(S)PH₂,
 BIS(DIPHENYLPHOSPHINO)METHANE DISULFIDE**
 Author(s): ABBASSIOUN MS; CHALONER PA; **CLAVER C** ; HITCHCOCK PB; MASDEU AM;
 RUIZ A; SABALLS T
 Corporate Source: FAC QUIM TARRAGONA,DEPT QUIM,PL IMPERIAL TARRACCO
 1/E-43005 TARRAGONA//SPAIN/; FAC QUIM TARRAGONA,DEPT QUIM,PL IMPERIAL
 TARRACCO 1/E-43005 TARRAGONA//SPAIN/; UNIV SUSSEX,SCH CHEM & MOLEC
 SCI/BRIGHTON BN1 9QJ/E SUSSEX/ENGLAND/
 Journal: JOURNAL OF ORGANOMETALLIC CHEMISTRY, 1991 , V403, N1-2, P229-241
 Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Author(s): ABBASSIOUN MS; CHALONER PA; **CLAVER C** ; HITCHCOCK PB; MASDEU AM;
 RUIZ A; SABALLS T
 , 1991
 Research Fronts: 89-0051 001 (RHODIUM(I) COMPLEXES; **TRANSITION** -METAL
 DERIVATIVES OF THE CYCLOPENTADIENYL PHOSPHINE-LIGANDS; OPTICALLY-ACTIVE
 PHENANTHROLINES IN ASYMMETRIC CATALYSIS)
 89-4326...

28/3,K/11 (Item 11 from file: 34)
 DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
 (c) 2006 The Thomson Corp. All rts. reserv.

00517630 Genuine Article#: DY061 No. References: 30
**Title: INFLUENCE OF DIFFERENT LIGANDS IN HOMOGENEOUS HYDROGENATION USING
 IRIIDIUM COMPLEXES WITH THIOETHER LIGANDS**
 Author(s): SOLE J; BO C; **CLAVER C** ; RUIZ A
 Corporate Source: UNIV BARCELONA,DEPT QUIM,PL IMPERIAL TARRACO 1/E-43005
 TARRAGONA//SPAIN/; UNIV BARCELONA,DEPT QUIM,PL IMPERIAL TARRACO
 1/E-43005 TARRAGONA//SPAIN/
 Journal: JOURNAL OF MOLECULAR CATALYSIS, 1990 , V61, N2, P163-171
 Language: ENGLISH Document Type: ARTICLE

Author(s): SOLE J; BO C; **CLAVER C** ; RUIZ A
 , 1990
 Research Fronts: 88-0220 002 (X-RAY CRYSTAL-STRUCTURE; CLUSTER BONDING;
TRANSITION -METAL COMPLEXES; NUCLEAR MAGNETIC-RESONANCE SPECTRA)
 88-1938 001 (HETEROMETALLIC COMPLEXES; CLUSTER CHEMISTRY; X-RAY...

...SUBSTITUTED DERIVATIVES; COBALT BIS(2,4-PENTANEDIONATE))
 88-2969 001 (HOMOGENEOUS ASYMMETRIC HYDROGENATION; ENANTIOSELECTIVE
 CATALYSTS; **TRANSITION** -METAL COMPLEXES; CATALYTIC KINETIC RESOLUTION)
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S3	4	RD (unique items)
S4	30	AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST?)
S5	9	S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
S6	9	S5 NOT S1
S7	9	S5 NOT S3
S8	156	AU=((CASTILLON S?) OR (CAST? S?))
S9	50	S8 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
S10	4	S9 AND TRANSITION()METAL
S11	50	S9 AND CATAL?
S12	1	S9 AND MANNITOL

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S14     30   S8 AND RHOD?
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S16     30   S15 NOT S3
S17      0   S16 AND MONOP?
S18     13   S16 AND CHIRAL
S19    138   S8 AND PY<=2003
S20     50   S9 AND S11
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S26     13   S25 AND PY<=2003
S27     13   RD (unique items)
S28     11   S27 NOT S23
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      28570  MANNIT?
      594832 PHOSPHO?
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32/3,K/1 (Item 1 from file: 34)
 DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
 (c) 2006 The Thomson Corp. All rts. reserv.

13439213 Genuine Article#: 880TZ No. References: 167
Title: Carbohydrate derivative ligands in asymmetric catalysis
 Author(s): Dieguez M; Pamies O; Ruiz A; Diaz Y ; Castillon S; Claver C
 (REPRINT)
 Corporate Source: Univ Rovira & Virgili,Dept Quim Fis & Inorgan,Pl Imperial
 Tarraco 1/E-43005 Tarragona//Spain/ (REPRINT); Univ Rovira &
 Virgili,Dept Quim Fis & Inorgan,E-43005 Tarragona//Spain/; Univ Rovira
 & Virgili,Dept Quim Analit & Quim Organ,E-43005 Tarragona//Spain/(
 claver@quimica.urv.es)
 Journal: COORDINATION CHEMISTRY REVIEWS, 2004, V248, N21-24 (DEC), P
 2165-2192
 ISSN: 0010-8545 Publication date: 20041200
 Publisher: ELSEVIER SCIENCE SA, PO BOX 564, 1001 LAUSANNE, SWITZERLAND
 Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

Author(s): Dieguez M; Pamies O; Ruiz A; Diaz Y ; Castillon S; Claver C
 (REPRINT)

Abstract: This review describes how carbohydrates have been applied as
 ligands in transition metal asymmetric catalysis. In general,
 carbohydrates are functionalized with donor atoms such as P, N or S so
 that they can be coordinated to transition metals. The review deals

with all the different types of ligands in turn. After an...

32/3,K/2 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

13300832 Genuine Article#: 865MT No. References: 44
Title: C-2-symmetric diphosphinite ligands derived from carbohydrates. The strong influence of remote stereocenters on asymmetric rhodium-catalyzed hydrogenation
Author(s): Aghmiz M; Aghmiz A; Diaz Y (REPRINT) ; Masdeu-Bulto A; Claver C; Castillon S
Corporate Source: Univ Rovira & Virgili, Dept Quim Analit & Quim Organ, Fac Quim, Pl Imperial Tarraco 1/Tarragona 43005//Spain/ (REPRINT); Univ Rovira & Virgili, Dept Quim Analit & Quim Organ, Fac Quim, Tarragona 43005//Spain/; Univ Rovira & Virgili, Dept Quim Fis & Inorgan, Fac Quim, Tarragona 43005//Spain/ (ydiaz@quimica.urv.es; castillon@quimica.urv.es)
Journal: JOURNAL OF ORGANIC CHEMISTRY, 2004, V69, N22 (OCT 29), P7502-7510
ISSN: 0022-3263 Publication date: 20041029
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Identifiers--CHIRAL LIGANDS; D-GLUCOSE; DEHYDROAMINO ACIDS; VINYL
ARENES; AMINO-ACIDS; D- MANNITOL ; COMPLEXES; DERIVATIVES;
HYDROCYANATION; PHOSPHINITES

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36/3,K/1 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

09872475 Genuine Article#: 457FW No. References: 25
Title: The reaction of pyranoside 2-uloses with DAST revised. Synthesis of 1-fluoro-ketofuranosyl fluorides and their reactivity with alcohols
Author(s): Aghmiz ML ; Diaz Y (REPRINT) ; Jana GH; Matheu MI; Echarri R; Castillon S; Jimeno ML
Corporate Source: Univ Rovira & Virgili, Dept Quim, Pza Imperial tarraco 1/E-43005 Tarragona//Spain/ (REPRINT); Univ Rovira & Virgili, Dept Quim, E-43005 Tarragona//Spain/; CSIC, Ctr Quim Organ Manuel Lora Tamayo, E-28006 Madrid//Spain/
Journal: TETRAHEDRON, 2001, V57, N31 (JUL 30), P6733-6743
ISSN: 0040-4020 Publication date: 20010730
Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Aghmiz ML ; Diaz Y (REPRINT) ; Jana GH; Matheu MI; Echarri R;
Castillon S; Jimeno ML

, 2001

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594832 PHOSPHO?

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11 S28

S39 1 S38 NOT S28

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39/3,K/1 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2006 The Thomson Corp. All rts. reserv.

12514771 Genuine Article#: 773MB No. References: 33

Title: A case for enantioselective allylic alkylation catalyzed by
palladium nanoparticles

Author(s): Jansat S; Gomez M; Philippot K; Muller G; Guiu E ; Claver C;
Castillon S; Chaudret B (REPRINT)

Corporate Source: Univ Barcelona,Dept Quim Inorgan,Marti & Franques
1-11/Barcelona 08028//Spain/ (REPRINT); Univ Barcelona,Dept Quim
Inorgan,Barcelona 08028//Spain/; CNRS,Chim Coordinat Lab,F-31077
Toulouse 04//France/; Univ Rovira & Virgili,Dept Quim Fis & Quim
Inorgan,Tarragona 43005//Spain/; Univ Rovira & Virgili,Dept Quim Analit
& Quim Organ,Tarragona 43005//Spain/

Journal: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 2004, V126, N6 (FEB 18)
, P1592-1593

ISSN: 0002-7863 Publication date: 20040218

Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA

Language: English Document Type: ARTICLE

Author(s): Jansat S; Gomez M; Philippot K; Muller G; Guiu E ; Claver C;
Castillon S; Chaudret B (REPRINT)

...Identifiers-- TRANSITION -METAL NANOCCLUSERS; KINETIC RESOLUTION;
PLATINUM COLLOIDS; ETHYL PYRUVATE; HYDROGENATION; LIGANDS; PRECURSORS;
POLYMER; SUZUKI

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S4	30	AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST?)
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S7	9	S5 NOT S3
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 709911 PHOSPHOR?
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 ? t s42/3,k/all

42/3,K/1 (Item 1 from file: 34)
 DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
 (c) 2006 The Thomson Corp. All rts. reserv.

14065559 Genuine Article#: 939JH No. References: 50

**Title: Cationic iridium complexes with chiral dithioether ligands:
 Synthesis, characterisation and reactivity under hydrogenation
 conditions**

Author(s): Flores-Santos L; Martin E (REPRINT) ; Aghmiz A ; Dieguez M;
 Claver C; Masdeu-Bulto AM; Munoz-Hernandez MA

Corporate Source: Univ Nacl Autonoma Mexico,Fac Quim, Dept Quim Inorgan,Cd
 Univ/Mexico City 04510/DF/Mexico/ (REPRINT); Univ Nacl Autonoma
 Mexico,Fac Quim, Dept Quim Inorgan,Mexico City 04510/DF/Mexico/; Univ
 Rovira & Virgili,Dept Quim Fis & Inorgan,Tarragona 43005//Spain/; Univ
 Autonoma Estado Morelos,Ctr Invest Quim,Cuernavaca/Morelos/Mexico/(
 erikam@servidor.unam.mx; masdeu@quimica.urv.es; mamund2@ciq.uaem.mx)

Journal: EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, 2005, N12 (JUN 20), P
 2315-2323

ISSN: 1434-1948 Publication date: 20050620

Publisher: WILEY-V C H VERLAG GMBH, PO BOX 10 11 61, D-69451 WEINHEIM,
GERMANY

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Flores-Santos L; Martin E (REPRINT) ; Aghmiz A ; Dieguez M;
Claver C; Masdeu-Bulto AM; Munoz-Hernandez MA

...Identifiers--CATALYZED ALLYLIC SUBSTITUTIONS; ASYMMETRIC CONJUGATE
ADDITION; MIXED PHOSPHORUS /SULFUR LIGANDS; TRANSITION
-METAL-COMPLEXES; ORGANOMETALLIC REAGENTS; COORDINATION CHEMISTRY;
XYLOFURANOSE BACKBONE; OXAZOLINE LIGANDS; SULFUR; THIOLUCOSE

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138 S19

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7 S37

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9 S46

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28570 MANNIT?

709911 PHOSPHOR?

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S49 2 RD (unique items)

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49/3,K/1 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2006 The Thomson Corp. All rts. reserv.

03836432 Genuine Article#: QJ128 No. References: 18

Title: PREPARATION OF CARBONYL PHOSPHINE RHODIUM COMPLEXES WITH DITHIOLATE
BRIDGES - APPLICATION AS CATALYST PRECURSORS IN THE HYDROFORMYLATION OF
1-HEXENE

Author(s): AALITI A; MASDEU AM ; RUIZ A; CLAVER C

Corporate Source: UNIV ROVIRA & VIRGILI,FAC QUIM,DEPT QUIM,PL IMPERIAL
TARRACO 1/E-43005 TARRAGONA//SPAIN/; UNIV ROVIRA & VIRGILI,FAC
QUIM,DEPT QUIM/E-43005 TARRAGONA//SPAIN/

Journal: JOURNAL OF ORGANOMETALLIC CHEMISTRY, 1995, V489, N1-2 (MAR 8), P
101-106

ISSN: 0022-328X

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Author(s): AALITI A; MASDEU AM ; RUIZ A; CLAVER C

Research Fronts: 93-5317 001 (HOMOGENEOUS HRH(CO)(PPH3)3 CATALYST;

POLYMER SUPPORTED TRANSITION -METAL COMPLEXES; CONTINUOUS LIQUID-PHASE
HYDROFORMYLATION)

93-8262 001 (RUTHENIUM COMPLEXES; LIGAND STERIC PROPERTIES; MOLECULAR

49/3,K/2 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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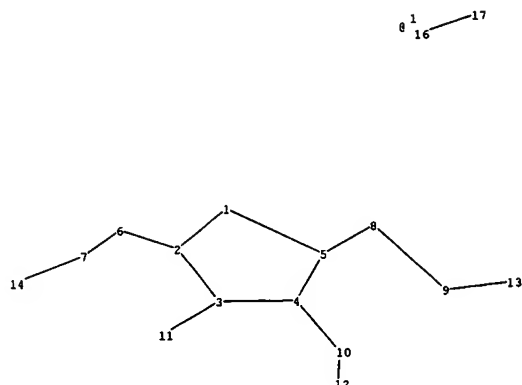
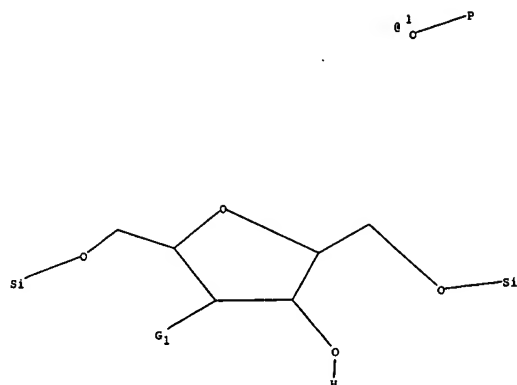
00831822 Genuine Article#: EZ796 No. References: 36
Title: RHODIUM(I) AND IRIDIUM(I) COMPLEXES OF PH₂P(S)CH₂P(S)PH₂,
BIS(DIPHENYLPHOSPHINO)METHANE DISULFIDE
Author(s): ABBASSIOUN MS; CHALONER PA; CLAVER C; HITCHCOCK PB; MASDEU AM;
RUIZ A; SABALLS T
Corporate Source: FAC QUIM TARRAGONA,DEPT QUIM,PL IMPERIAL TARRACCO
1/E-43005 TARRAGONA//SPAIN/; FAC QUIM TARRAGONA,DEPT QUIM,PL IMPERIAL
TARRACCO 1/E-43005 TARRAGONA//SPAIN/; UNIV SUSSEX,SCH CHEM & MOLEC
SCI/BRIGHTON BN1 9QJ/E SUSSEX/ENGLAND/
Journal: JOURNAL OF ORGANOMETALLIC CHEMISTRY, 1991, V403, N1-2, P229-241
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Research Fronts: 89-0051 001 (RHODIUM(I) COMPLEXES; **TRANSITION** -METAL
DERIVATIVES OF THE CYCLOPENTADIENYL PHOSPHINE-LIGANDS; OPTICALLY-ACTIVE
PHENANTHROLINES IN ASYMMETRIC CATALYSIS)

89-4326...

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S6	9	S5 NOT S1
S7	9	S5 NOT S3
S8	156	AU=((CASTILLON S?) OR (CAST? S?))
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S10	4	S9 AND TRANSITION()METAL
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S13	1	S8 AND MANNITOL
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S15	30	S14 NOT S7
S16	30	S15 NOT S3
S17	0	S16 AND MONOP?
S18	13	S16 AND CHIRAL
S19	138	S8 AND PY<=2003
S20	50	S9 AND S11
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S22	50	S20 AND S9
S23	4	S10 NOT S13
S24	211	AU=(CLAVER C?)
S25	23	S24 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)
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S31	2	S30 NOT S28
S32	2	RD (unique items)
S33	3	AU=(AGHMIZ M?)
S34	3	S33 NOT S28
S35	3	RD (unique items)



chain nodes :

6 7 8 9 10 11 12 13 14 16 17

ring nodes :

1 2 3 4 5

chain bonds :

2-6 3-11 4-10 5-8 6-7 7-14 8-9 9-13 10-12 16-17

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact/norm bonds :

1-2 1-5 2-3 3-4 3-11 4-5 4-10 6-7 8-9 16-17

exact bonds :

2-6 5-8 7-14 9-13 10-12

G1:O,P,[*1]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS7:CLASS8:CLASS9:CLASS10:CLASS11:CLASS12:CLASS13:CLASS14:CLASS16:CLASS17:CLASS

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